

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H02P1/44 H02P5/402

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H02P H02K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 5 December 2003 (2003-12-05) & JP 2003 284379 A (FUJITSU GENERAL LTD), 3 October 2003 (2003-10-03)	1-3
A	abstract	4-7
Y	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 25, 12 April 2001 (2001-04-12) & JP 2001 231277 A (FUJITSU GENERAL LTD), 24 August 2001 (2001-08-24)	1-3
A	abstract	4-7
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

28 February 2005

Date of mailing of the international search report

08/03/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 07, 3 July 2003 (2003-07-03) & JP 2003 079168 A (GIKEN PRODUCTS:KK), 14 March 2003 (2003-03-14)	1-3
A	abstract	4-7
Y	US 6 288 516 B1 (KUBICKO ROBERT ET AL) 11 September 2001 (2001-09-11)	1-3
A	abstract column 2, lines 9-43 figure 1	4-7
Y	US 2001/028239 A1 (VANDERHENST HENRI) 11 October 2001 (2001-10-11)	1-3
A	paragraphs '0009!', '0010!	4-7
Y	US 6 239 563 B1 (KUNZ WUNNIBALD) 29 May 2001 (2001-05-29)	1-3
A	column 4, lines 16-19 figure 1	4-7
Y	DE 102 30 728 A1 (CUBIGEL S.A., BARCELONA) 30 April 2003 (2003-04-30) paragraphs '0006! - '0009! figure 1	1-3